

ABSTRACT

A balancer driven gear 11 of an engine, for the transfer of rotation of the crankshaft 4 to a balancer shaft 8, is made up of a gear member 30, a bush member 20 and elastic members 41 and 45 interposed therebetween. Wrong assembly such as reverse assembly is prevented by the following configuration. The bush member 20 has a boss portion 21 fixed to the balancer shaft 8, and a plurality of outward dowels 23a, 23b, ... projecting radially outward from the outer periphery of the boss portion 21. The gear member 30 is disposed coaxially with the bush member 20. The gear member 30 has an annular portion 31 with gear teeth on the outer periphery thereof and a plurality of inward dowels 33a, 33b, ... projecting radially inward from the inner periphery of the annular portion 31. Elastic members 41 and 45 are disposed between the outward dowels 23a... on the bush member 20 and the inward dowels 33a... on the gear member 30. The shapes and/or dimensions of the dowels positioned on opposite sides with respect to the axis of the balancer driven gear are made asymmetric.